# Remote Operations Center Committee Meeting 6/9/05

Attendees:
FNAL: Pushpa Bhat, Erik Gottschalk, Elvin Harms, Shuichi Kunori, Michael Lamm, Kaori Maeshima, Patty McBride, Elliott McCrory, Suzanne Panacek, Jean Slaughter
OTHER LOCATIONS: Al Thomas, Sheila Cisko

This meeting is being recorded. The recordings (video and audio) will be put in the Doc DB.

**Committee News and Requirements – Erik Gottschalk**
(http://docdb.fnal.gov/CMS-public/DocDB/ShowDocument?docid=195)

As of today we have a new name, which is LHC@FNAL.
Suzanne is working on updating our web pages to make necessary modifications.

We have selected the date for the review of our requirements document with the Advisory Committee. Here is the information:
Date: July 26, 2005 (Tuesday)
Time: 7:30 – 10:30 am (14:30 – 17:30 CERN time)
Location: WH9SE (video conferencing is available)

(N.B. We are currently considering July 21 as an alternative to July 26.)

After the review we will have a few days to include recommendations from the Advisory Committee before presenting the document to Pier Oddone. After that it is likely that we will go through another iteration on the document before getting started on producing a resource loaded schedule.

Jean: After July we could work on something on the 11th floor.

(Comments on Slide 3)
Elvin: "LHC community in North America" is that used intentionally as opposed to just mentioning the U.S.?
Erik: Yes
Elvin: This is a good thing. LARP is US only.

Shuichi: CMS has no Canadian collaborators at this time, maybe Mexico will be part of this.

Suzanne: LHC@FNAL implies more than just a physical location, it has a virtual aspect that may include software and procedures and other instruments for participating with the LHC.

Elvin: Strike "diagnostic" in developing software.

Kaori: Does this committee really want to discuss the development of the monitoring software for CMS.
Erik: No, not really, but we may build on what CMS has done.
Patty: You might say something like .. "in collaboration with the LPC."

Elliott: Once we have the requirements, this bulleted list will change. I sent some of these list items to Erik to make sure that they are included.

Elvin: add "- Participating in LHC commissioning and beam studies"

(Comments on Slide 4)
Elvin: Change 'assist' to 'participate'
Elliott: What about participating in studies?
Patty: Add a third bullet "Participation during operations and studies."

Kaori: Does "operations" mean maintenance? For example during the shutdown, are we expected to be involved?
Jean: This should be explicitly stated in the text of the section.

(Comments on Slide 5)
Include the following change:
4-1: This software requirement is specific to LHC@FNAL only. Software developed for CMS and LHC will conform to their rules and coding standards.

**Global Monitoring at D0 – Pushpa Bhat**
(http://docdb.fnal.gov/CMS-public/DocDB/ShowDocument?docid=205)

The first shift was taken in Amsterdam, the data was sent there for monitoring.
Jean: Were they given the plots to look at, or the data?
Pushpa: The plots.

Goals: Monitor, identify problems, communication, corrective action, data quality evaluation.
Global Monitoring will be merged with the Captain's shift. This was announced on Monday (don't know why).

Question: Are there problems with the monitoring logistics?
Pushpa: Not sure.

We have a video camera for each remote shifter; however, people did not want cameras in their control room.
Elvin: What type of video? The entire room or face-to-face?
Pushpa: A camera that can see a part of the control room with adjustable settings.

Kaori: Video connection has to be bi-directional.

Elliott: The video could be pointed at some hardware.

Shuichi: We don't want to broadcast chatting. We want to be able to mute the audio, and activate it again.
Patty: There can be a problem if two speaker phones are in use at the same time in the same room.
Shuichi: We used wireless headsets for the test beam.

Kaori: In D0 are you still doing shifts for silicon, calorimetry, etc. in the control room?
Pushpa:Yes.
Kaori: What kind of things are the remote shifters looking for?
Pushpa: Monitoring information, look for problems in the calorimeter. The shifters here are looking at raw data. Global Monitoring shifters are looking at higher level data.

Kaori: 24/7?
Pushpa:Yes, remote shifts move around the globe. At least 1 person per remote shift is the requirement.

How many displays? There are 5 to 6 applications, it would be awkward to do it on one screen, so 2 to 3 screens are typically used. We do not require remote sites to have dedicated rooms, but this is encouraged.

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Next meeting: June 16, 2005 in the **Hornet's Nest (WH 8X)**
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